

CENTRAL INTELLIGENCE AGENCY

## REPORT

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NEW PLANER PRODUCED -- Leningradskaya Pravda, No 157, 6 Jul 49

The "Krasnyy put'" Machine-Building Plant in Moscow has begun the production of a new type of planer. The planer which can work planks, boards, and beams from four sides simultaneously replaces more than 20 qualified workers.

INTRODUCES NEW TECHNIQUES -- Izvestiya, No 141, 17 Jun 49

The Novo-Kramatorsk Machine-Building Plant imeni Stalin has organized a "Bureau of New Technique," composed of the best engineers and experienced machine builders. The purpose of this bureau is to introduce into production the latest achievements of Soviet science and technology, and advanced methods of labor organization, as well as to assist plant workers in the use of new tools, devices, and instruments.

The bureau has already developed a number of innovations. For instance, it has put into practice a new method of applying hard alloys to the cutting edges of high-speed cutting tools with an electric arc. This method increases the cutter resistance as much as 4 times.

INSTITUTE BLOCKS INNOVATION -- Moskovskiy Bol'shevik, No 145, 22 Jun 49

Since 1945 the Experimental Scientific Institute of Metal-cutting Machines has blocked the adoption of an innovation designed to increase the spindle revolutions of metal-cutting machines. The maximum number of spindle revolutions of the type 682 horizontal milling machine made at the Jor'kiy Plant would be raised from 425 to 1,150 revolutions per minute, the Udmurt 161A Lathe would be raised from 475 to 1,140 revolutions per minute, and the DIP 200 machine would be raised from 600 to 740 revolutions per minute. On the type 612 vertical milling machine, the number of spindle revolutions would be raised from 425 to 1,150 by replacing the usual motor pulley having a diameter of 100 millimeters with a pulley having a diameter of 270 millimeters. The machine could be used to machine parts made of ferrous and nonferrous metals.

Notwithstanding a series of successful tests, the Institute has not approved the adoption of these improvements.

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